

## **PCT**

## **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report		
0887-4133PC	ACTION (Form PCT/ISA/2	220) as well as, where applicable, item 5 below.	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/US 99/08294	15/04/1999	15/04/1998	
Applicant			
THE RESEARCH FOUNDATION OF	F STATE UNIVERSITY OF NEW		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Autl ansmitted to the International Bureau.	hority and is transmitted to the applicant	
This International Search Report consists  X It is also accompanied by	of a total of4 sheets. a copy of each prior art document cited in this	s report.	
1. Basis of the report			
With regard to the language, the language in which it was filed, unli	international search was carried out on the bases otherwise indicated under this item.	sis of the international application in the	
the international search w Authority (Rule 23.1(b)).	ras carried out on the basis of a translation of t	the international application furnished to this	
was carried out on the basis of the	e sequence listing :	nternational application, the international search	
	onal application in written form.		
I 755	ernational application in computer readable form	m.	
· · · ·	this Authority in written form. this Authority in computer readble form.		
The statement that the sub	osequently furnished written sequence listing d	does not go beyond the disclosure in the	
<u> </u>	s filed has been furnished.  prmation recorded in computer readable form is	s identical to the written sequence listing has been	
2. X Certain claims were four	nd unsearchable (See Box I).		
3. Unity of invention is lack	king (see Box II).		
4. With regard to the <b>title</b> ,			
X the text is approved as sul	bmitted by the applicant.		
the text has been establish	hed by this Authority to read as follows:		
5. With regard to the abstract,			
the text is approved as sul	, , ,		
the text has been establish within one month from the	hed, according to Rule 38.2(b), by this Authorite date of mailing of this international search rep	ty as it appears in Box III. The applicant may, port, submit comments to this Authority.	
6. The figure of the <b>drawings</b> to be publi	shed with the abstract is Figure No.		
as suggested by the applic	cant.	None of the figures.	
because the applicant faile			
because this figure better	characterizes the invention.		



international application No.

PCT/US 99/08294

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 19 because they relate to subject matter not required to be searched by this Authority, namely:  Remark: Although claim 19 is directed to a method of treatment of the human/animal
body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

PCT/US 99/08294

	FICATION OF SUBJECT MATTER C12N15/86		
	o International Patent Classification (IPC) or to both national classific	ation and IPC	
	SEARCHED  commentation searched (classification system followed by classification)	ion symbols)	
IPC 6	C12N		
Documenta	tion searched other than minimum documentation to the extent that s	such documents are included in the fields se	earched
Electronic d	ata base consulted during the international search (name of data ba	ise and, where practical, search terms used	)
	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re	levant passages	Relevant to claim No.
Х	SCHMID S.I., HEARING P.: "Select encapsidation of adenovirus DNA" CURRENT TOPICS IN MICROBIOLOGY AN IMMUNOLOGY,		1
	vol. 199, no. 1, 1995, pages 67-8 XP002117827 the whole document	30,	
Х	 SCHMID S I AND HEARING P: "Bipar		10,14,
	structure and functional independ adenovirus 5 packaging elements" JOURNAL OF VIROLOGY,		18,19
	vol. 71, no. 5, May 1997 (1997-09 3375-3384 3384, XP002108134 ISSN: 0022-538X	5), pages	
	cited in the application the whole document		
	especially figures 1-8 and discus		
		-/	
X Furth	her documents are listed in the continuation of box C.	Patent family members are listed	in annex.
° Special ca	tegories of cited documents	"T" later document published after the inte	
consid	ent defining the general state of the art which is not lered to be of particular relevance	or priority date and not in conflict with cited to understand the principle or the invention	
filing d	document but published on or after the international late internation may throw doubts on pnority claim(s) or	"X" document of particular relevance; the ci cannot be considered novel or cannot involve an inventive step when the doc	be considered to
which citation	is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cl cannot be considered to involve an inv document is combined with one or mo	laimed invention rentive step when the
other r "P" docume	means ent published prior to the international filing date but	ments, such combination being obviou in the art.	is to a person skilled
	nan the priority date claimed actual completion of the international search	"&" document member of the same patent f	·
2	November 1999	10/12/1999	
Name and n	nailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Panzica, G	

2

## INTERNATIONAL SEARCH REPORT

PCT/US 99/08294

	(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	O'CONNOR R J ET AL: "THE C-TERMINAL 70 AMINO ACIDS OF THE ADENOVIRUS E4-ORF6/7 PROTEIN ARE ESSENTIAL AND SUFFICIENT FOR E2F COMPLEX FORMATION" NUCLEIC ACIDS RESEARCH, vol. 19, no. 23, 11 December 1991 (1991-12-11), pages 6579-6586, XP000604601 ISSN: 0305-1048	15		
X,P	SCHMID S.I., HEARING P.: "Cellular components interact with adenovirus type 5 minimal DNA packaging domains" JURNAL OF VIROLOGY, vol. 72, no. 8, August 1998 (1998-08), pages 6339-6347, XP002117828 cited in the application the whole document	1,5, 7-15, 18-20		
Α,Ρ	DULL T. ET AL.: "A third-gneration lentivirus vector with a conditional packaging system" JOURNAL OF VIROLOGY, vol. 72, no. 11, October 1998 (1998-10), pages 8463-8471, XP002117829 BALTIMORE, US abstract	1		
X	TAGGART A. ET AL.: "The TATA-bimnding protein and associated factors are components of Pol III transcription factor TFIIIB" CELL, vol. 71, no. 6, 1992, pages 1015-1028, XP002117830 abstract	20		
X	D'HALLUIN J.C. ET AL.: "Effects of novobiocin on adenovirus DNA synthesis and encapsidation" NUCLEIC ACID RESEARCH, vol. 8, no. 7, 1980, pages 1625-1641, XP002117831 OXFORD, GB the whole document	1		
А	HUANG M.M., HEARING P.: "The adenovirus early region 4 open reading frame 6/7 protein regulates the DNA binding activity of the cellular transcription factor, E2F, through a direct complex" GENES AND DEVELOPMENT, vol. 3, 1989, pages 1699-1710, XP002119862 cited in the application			

2